

ABSTRACT OF THE DISCLOSURE

A method, system and apparatus for spreading physical channels using partly orthogonal multiple code trees. A portion of a first code tree is used to spread the physical channels. This first code tree is a combination of a channelization code sequence and a first scrambling code sequence. A portion of a second code tree is used to spread the physical channels that are remaining and were not spread using the first code tree. This second code tree is a combination of the channelization code sequence and a second scrambling code formed by modifying the first scrambling code. The portion of the second code tree used to spread the channels is orthogonal to the portion of the first code tree used. A plurality of other code trees could be formed using scrambling codes based on the modification of the first scrambling code.